

**Central Finger Print Bureau
National Crime Records Bureau**

LIST OF EQUIPMENT/INSTRUMENTS REQUIRED FOR IN-HOUSE COMPARISON /RECORDING/DEVELOPMENT OF FINGERPRINTS, WITH SPECIFICATIONS, USES ETC. (in addition to existing equipment for routine finger print work)

S. No.	NAME OF INSTRUMENT / EQUIPMENT/ITEM	SPECIFICATIONS/OTHER DETAILS (IF ANY)	USE IN FINGERPRINT WORK	QUANTITY REQUIRED	WHEATHER IMPORTED OR INDIGENOUS
1.	Laboratory Video-Based RUVIS Capture System	-	RUVIS provides more sensitivity than traditional methods of enhancement and without any treatment. Print collection can be performed on surfaces such as plastic bags, sticky side of tape, glossy magazine, photographs, linoleum tile, compact disks, credit cards, etc.	As per requirement of the Laboratory	Imported
2.	Compact, high-resolution livescan system with high end Laptop)	-	The lightweight 1000ppi scanner rapidly acquires upper, lower and writer's palms, flats and rolls at 1000 ppi or 500 ppi using the same prism. The	As per requirement of the Laboratory	Imported

			1000PX is an ideal choice for criminal identification and forensic analysis.		
3..	Forensic Optical Comparator 220 Volt	Matched f/3.5 Objective Lenses (6.5x and 10x), with compatible bench/stand with complete computer workstation and colour photo printer (Specification of PC and Printer: Same, as mentioned for PC for Zoom Stereo Microscope)	It permits side-by-side display of two images –without image overlap, questioned fingerprints are compared with exemplar or specimen prints.	As per requirement of the Laboratory	Imported
4.	Colour Forensic Video Magnifier 220V with compatible stand etc.	Large work area to accommodate standard fingerprint card/slip, with 10.2 cm LCD Monitor with a video jack to permit connection with computers with video capture capacity.	It is compact table top device for examination of fingerprint evidence through four-inch diagonal, high resolution Liquid Crystal Display (LCD) viewing screen.	As per requirement of the Laboratory	Imported
5.	Laboratory Type Fuming Cabinet & Heat Chamber, for Ninhydrin and Iodine	-	Environmentally sealed chamber for the processing of fingerprints with Ninhydrin and Iodine.	As per requirement of the Laboratory	Imported

6.	Master Expert Latent Print Kit	Black moulded Copolymer Carrying Case, Textured with Handle and Moulded Insert. Dimensions: 27.5" x 16.5" x 7", Total Weight 6.8 kg.	It is a Professional Fingerprint Kit with all the latest state-of-art components.	As per requirement of the Laboratory	Imported
7.	Tactical Crime Scene Latent Print Kit (soft synthetic bag type of case)	-	Consolidated kit for developing latent prints.	As per requirement of the Laboratory	Imported
8.	Type III Post Mortem Fingerprint Kit	-	This kit is designed specifically for preparing and recording fingerprint of a deceased subject.	As per requirement of the Laboratory	Imported
9.	48" PWS Powder Workstation	-	Protects the operator from hazardous exposure to potentially harmful fingerprint chemicals.	As per requirement of the Laboratory	Imported
10.	Digital Forensic Evidence Examination Station with Mounting Bench (Metallic) and 14" LED Screen Laptop having 640 GB HDD and at least 4 GB RAM and Colour Photo Printer.	16 magnification levels upto 50x. 22" LED Screen display which should adjust up and down and swing a full 60 degree.	It facilitates viewing small details with its moveable viewing table and fully adjustable magnification- up to 50x. Suitable for examination of recorded (with Printers' ink) and latent fingerprints.	As per requirement of the Laboratory	Imported

11.	ALS (Alternative Light Source) System /kit , LED Type, 3-watt with rechargeable Li Batteries and charger	7-torch type light sources with frequencies UV 395, Visible 455, 470, 505, 530, 590, 625, white) with light support tripod and protection accessories	Used to visualise overlapping fingerprints developed with two different materials. It also assists in visualising prints developed with florescent material and certain other dyes.	As per requirement of the Laboratory	Imported
12	Hand held Multimodal biometric collection and identification Device (facility for wireless connectivity with the central server)	1x1 in 500 ppi optical fingerprint scanner. Capture / search against 10 fingerprints, iris and facial photo capture facility	Designed to enhance law enforcement and capture census data by helping the officers to create an instant data base and transfer the details to central server just at a click of button.	As per requirement of the Laboratory	Imported
13	Stereo microscope with camera		It visualise minute details of ridges with pores and edges.	As per requirement of the Laboratory	Imported
14	ABFO 1 to 3 scale		For photography of Latent Prints	As per requirement of the Laboratory	Imported
